

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-10 (Canceled).

Claim 11 (Canceled).

12. (Original) An internal combustion engine control apparatus comprising:

- an ignition operating circuit;
- an injection operating circuit operating a fuel injection valve;
- a control computer controlling said ignition operating circuit and said injection operating circuit; and
- a signal determining circuit provided between said control computer and said both operating circuits, wherein
- said signal determining circuit carries out cylinder determination and ignition/injection determination based on combinations of a plurality of signals output from said control computer, and
- said signal determining circuit outputs ignition signal and injection signal for each cylinder into said both operating circuits.

13. (Original) An internal combustion engine control apparatus according to claim 12, wherein

- said control computer outputs a cylinder determination signal, an ignition

determination signal, and an injection determination signal into said signal determining circuit,

said control computer changes pulse durations of the ignition determination signal and the injection determination signal in accordance with ignition period and injection period, respectively,

said signal determining circuit carries out cylinder determination and ignition/injection determination based on combinations of the cylinder determination signal, the ignition determination signal and the injection determination signal,

said signal determining circuit determines a pulse duration of the ignition signal based on the pulse duration of the ignition determination signal, and

said signal determining circuit determines a pulse duration of the injection signal based on the pulse duration of the injection determination signal.

Claims 14-15 (Canceled).